

Enantioselective Total Synthesis and Assignment of the Absolute Configuration of the Furo[3,2- a]carbazole Alkaloid Furoclausine-B

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Abstract

© Copyright 2018 American Chemical Society. We describe the first enantioselective total synthesis and the assignment of the absolute configuration of the furo[3,2-a]carbazole alkaloid furoclausine-B. As key steps for our approach we used a palladium(II)-catalyzed double C--bond activation for the construction of the carbazole framework, a Shi epoxidation, and an intramolecular opening of the epoxide for annulation of the dihydrofuran moiety.

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